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ABSTRACT OF THE DISCLOSURE

According to one aspect of the invention, a method and apparatus for supplying a consistent set of data to a software application is provided.

According to the method, a software application is launched that requires a particular set of data contained in a first database. Once the particular set of data is identified, a first process is requested to obtain a snapshot time from a database server associated with the first database. The snapshot time causes all subsequent reads of the first database by the first process to return data that reflects a database state associated with the snapshot time. After the first process obtains the snapshot time, the first process extracts the particular set of data from the first database. The software application is then supplied with the particular set of data that was extracted from the first database.

According to another aspect of the invention, a method and apparatus for producing a copy of data from a first database is provided.

According to the method, a first set of data in the first database is locked. After locking the first set of data, a plurality of processes are requested to obtain snapshot times from a database server associated with said first database. The snapshot times cause all subsequent reads of the first database by the plurality of processes to return data from the first database as of the snapshot times. After waiting a particular period of time for the plurality of processes to be assigned snapshot times, the locks on the first set of data in the first database are released. The plurality of processes that were successful in obtaining a snapshot time within the particular period of time are used to extract a copy of the first set of data from

the first database. The copy of the first set of data is then separately stored from the ~~first of data.~~